NESSLAB

NL-RF2200V05
2013.12.02

ANT4 J104   ANT3 J103   ANT2 J102   ANT1 J101

J203
1 3.3V
2 GND
3 AT_TCK
4 AT_TDO
5 AT_TMS
6 AT_TDI

J602
1 VBAT
2 D-
3 D+
4 GND

CP101

U103

U104

U105

U106

U109

U201

U202

U206

U433

U501

U602

U605

U606

U607

U612

U301

U302

J501
1 3.3V
2 GND
3 CP_TCK
4 CP_TDO
5 CP_TMS
6 CP_TDI

J301
1 3.3V
2 GND
3 TCK
4 TDO
5 TMS
6 TDI

J203
1 3.3V
2 DBG_RX
3 DBG_TX
4 GND

J201 PUP
J202 ERASE COPY

ANT_0
ANT_1
GAIN_CONTROL
PA0 PA1 PA2

T401

SW501

BZ501

LDO_EN

LED401

J603   J401   J601

J604
3.3V Out3
In2 Out2
In1 Out1
PWR GND

J602
GP
RX
TX
AC
CP
AT

Q401 Q503 Q504 Q505 Q506

LED501 LED502 LED503 LED504

F100 F101 F104 F105 F106

X101 X201 X301 X302 X401 X501

ARM_TXD1 ARM_RXD1
ARM_TDO ARM_TDI

< NL-RF2200V00 Bottom >

R161 C89
C92
C93   U108 C91
      C90

C223 C224   C239 C240
L201   L206
C225 C227 C226   C241 C243 C242
D201 R215 R216
      R217
C228 C229 C244
L202 L204   L207 L209 C245
R219 R233
Q201
      C230   C246
R234
C231 C234 C232 C230 C247
L203 L205   L208 L210 C248
Q202   FB204
                 C253
C233   C249
R246   R247
R245 U203   R248
C222   R250

C401   C404 C405
R401 C408 C406

U401

Auto-ID
                        ID+
C511 C502 R553
C505 C501   ID−
C509
C312 C504 C506
C331 C503 C508 R501 R505
R337 C304 C303 C316   R502 C255 C520
C321 C336
C311 R302 C319   R503 Q501 Q502
C312 R320 C309
C317 C301 C302
C305 C318 C308
U402   C310

R519 R520 R521 R522
C407
                  R515 R516 R517 R518
R603 R607 R609 R629
Q601 Q602 R605 R615 R667   R570 U610
     R603 R610 R613 R609
           Q603 Q604 R626 R631 U609 U611
R671   R605 R606 R623 R638 R645
R673   R601 R616 R617 R632
R675   R602 R636 R612 R637 R622 C628
R677
R672   FB604
R674   FB601
R676

FB603   FB401
FB602   FB403
                       FB402